



PATENT  
ATTORNEY DOCKET NO.: UCSD1310-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salvatore Albani and Berent J. Art Unit: 1645  
Prakken  
Application No.: 09/828,574 Examiner: Navarro, Albert Mark  
Filed: April 6, 2001  
Title: STRESS PROTEINS AND PEPTIDES AND METHODS OF USE THEREOF

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

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**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and copies are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

10/10/2003 JADDO1 00060071 09828574

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**CERTIFICATION UNDER 37 CFR §1.8**

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date October 7, 2003, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria VA 22313-1450.

Debrah Reeves  
(Name of Person Mailing Paper)

*Debrah Reeves*  
(Signature) *October 7, 2003* (Date)

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Enclosed is Check No.: 545774 in the amount of \$180.00 to cover the Information Disclosure Statement fee. The Commissioner is authorized to charge any other required fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355.

Respectfully submitted,

Date: 10/7/03

  
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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office <b>OCT 09 2003</b>		<b>Docket No.:</b> UCSD1310-1 (101668-13)	<b>Application No.:</b> 09/828,574
<b>[SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT]</b>		<b>Applicants:</b> Salvatore Albani and Berent J. Prakken	<b>Filing Date:</b> April 6, 2001
			<b>Group Art Unit:</b> 1645

<b>U.S. PATENT DOCUMENTS</b>							
<b>EXAM. INITIALS</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB- CLASS</b>	<b>FILING DATE</b>
	AA	4,654,419	03/31/1987	Vaughan et al.			
	AB	4,683,295	07/28/1987	Carson			
	AC	4,732,757	03/22/1988	Stolle et al.			
	AD	5,116,725	05/26/1992	Vaughan et al.			
	AE	5,310,732	05/10/1994	Carson et al.			
	AF	5,541,164	07/30/1996	Carson et al.			
	AG	5,728,385	03/17/1998	Classen			
	AH	5,773,570	06/30/1998	Carson et al.			
	AI	5,891,435	04/06/1999	Muir et al.			
	AJ	5,992,567	07/13/1999	Au-Young et al.			
	AK	5,993,803	11/30/1999	Cohen et al.			
	AL	6,007,821	12/28/1999	Srivastava et al.			

<b>FOREIGN PATENT DOCUMENTS</b>							
<b>EXAM. INITIALS</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUB- CLASS</b>	<b>TRANSLATION (YES/NO)</b>
	AM	WO90/14835	12/13/1990	WIPO			
	AN	WO95/31984	11/30/1995	WIPO			

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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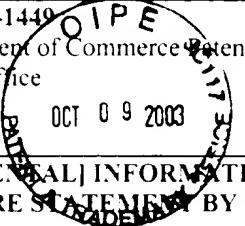
*OCT 15 2003*

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)**

	AO	Albani, S., et al., "Positive Selection in Autoimmunity: Abnormal Immune Responses to a Bacterial dnaJ Antigen Determinant in Patients with Early Rheumatoid Arthritis," <i>Nature Medicine</i> , Vol. 1, No. 5, Pgs. 448-452, 1995
	AP	Bonnin, D., et al., "MHC-Derived Peptides Drive Positive T Cell Selection in the Thymus: from a Physiological System to an HLA DRB1*0401 Transgenic Mouse Model for Rheumatoid Arthritis?", <i>Arthritis and Rheumatism</i> , Vol. 39, No. 9 Suppl., Pg. S160, Oct. 1996
	AQ	Auger, I., et al., "HLA-DR4 and HLA-DR10 Motifs that Carry Susceptibility to Rheumatoid Arthritis Bind 70-kD Heat Shock Proteins," <i>Nature Medicine</i> , Vol. 2, No. 3, Pgs. 306-310, March 1996
	AR	Albani, et al., "Genetics and Environmental Factors in the Immune Pathogenesis of Rheumatoid Arthritis," <i>Rheumatic Disease Clinics of North America</i> , 18/4:729-740, 1992.
	AS	Stastney, P., et al., "Immunogenetics of Rheumatoid Arthritis and Juvenile Arthritis", <i>Recent Progress in Medicine</i> , Vol. 82, No. 7-8, Pgs. 409-416, 1991
	AT	Nepom, G., "Prediction of Susceptibility to Rheumatoid Arthritis by Human Leukocyte Antigen Genotyping" <i>Rheumatic Disease Clinics of North America</i> , Vol. 18, No. 4, Pgs. 785-792, November, 1992
	AU	Weyand, C., et al., "The Influence of HLA-DRB1 Genes on Disease Severity in Rheumatoid Arthritis," <i>Annals of Internal Medicine</i> , Vol. 117, No. 10, Pgs. 801-806, November 15, 1992
	AV	Fairchild, P., et al., "Peptide-MHC Interaction in Autoimmunity," <i>Current Opinion in Immunology</i> , Vol. 4, pgs. 748-753, 1992
	AW	Life, P.F., et al., "Synovial Fluid Antigen-Presenting Cells Unmask Peripheral Blood T Cell Responses to Bacterial Antigens in Inflammatory Arthritis," <i>Clin. Exp. Immunol.</i> Vol. 79, Pgs. 189-194, 1990

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AX	Van Den Broek, M.F., et al., "Protection Against Streptococcal Cell Wall-Induced Arthritis by Pretreatment with the 65-kD Mycobacterial Heat Shock Protein," <i>J. Exp. Med.</i> , Vol. 170, Pgs. 449-466, August, 1989
AY	Anderton, S.M., et al. "Activation of T Cells Recognizing Self 60-kD Heat Shock Protein Can Protect Against Experimental Arthritis," <i>J. Exp. Med.</i> , Vol. 181, Pgs. 943-952, March 1995
AZ	Albani, S., et al., "A Multistep Molecular Mimicry Hypothesis for the Pathogenesis of Rheumatoid Arthritis," <i>Immunology Today</i> , Vol. 17, No. 10, Pgs. 466-470, October, 1996
BA	Anderton et al, "Differential Mycobacterial 65-kDa Heat Shock Protein T Cell Epitope Recognition after Adjuvant Arthritis-Inducing or Protective Immunization Protocols ,," <i>J. Immunology</i> 152:3656-64, 1994
BB	Albani et al, "HLA Binding Studies Support a Role for the QKRAA Susceptibility Sequence to Rheumatoid Arthritis (RA) in Positive Selection and Activation of Pathogenic T Lymphocytes," <i>Arthritis and Rheumatism</i> , 38/9 Suppl., Pg. S181, Abstract#173, 1995
BC	Plotkin, S.A., et al., "New Technologies for Making Vaccines," <i>Vaccines</i> , Pgs. 568-575, 1988
BD	Albani, S., et al., "Molecular Basis for the Association Between HLA DR4 and Rheumatoid Arthritis. From the Shared Epitope Hypothesis to a Peptidic Model of Rheumatoid Arthritis," <i>Clin. Biochem.</i> Vol. 25, Pgs. 209-212, 1992
BE	La Cava, A., et al., "The QKRAA Disease Susceptibility Sequence for Rheumatoid Arthritis (RA) is a B Cell Epitope Shared by the Epstein-Barr Virus (EBV) Protein gp110 and the E. Coli Heat Shock Protein dnaJ Possible Implications for Disease Pathogenesis," <i>Arthritis &amp; Rheum.</i> 36(9) Suppl. Pgs. S127 Abstract 1993
BF	Asseldonk, M., et al., "Cloning, Nucleotide Sequence, and Regulatory Analysis of the <i>Lactococcus Lactis dnaJ</i> Gene," <i>Journal of Bacteriology</i> , 175(6), Pgs. 1637-1644, March 1993

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BG	Bardwell, J.C.A., et al., "The Nucleotide Sequence of the <i>Escherichia coli</i> K12 <i>dnaJ</i> Gene," <i>The Journal of Biological Chemistry</i> , Vol. 261, No. 4, Pgs. 1782-1785, February 5, 1986
BH	Ohki, M., et al., "Nucleotide Sequence of the <i>Escherichia coli</i> <i>dnaJ</i> Gene and Purification of the Gene Product*", <i>The Journal of Biological Chemistry</i> , Vol. 261, No. 4, Pgs. 1778-1781, 1986
BI	Albani, S., et al., "The Susceptibility Sequence to Rheumatoid Arthritis is a Cross-Reactive B Cell Epitope Shared by the <i>Escherichia Coli</i> Heat Shock Protein <i>dnaJ</i> and the Histocompatibility Leukocyte Antigen DRB10401 Molecule," <i>J. Clin. Invest.</i> , Vol. 89, Pgs. 327-331, 1992
BJ	van Eden, W., et al., "Cloning of the Mycobacterial Epitope Recognized by T Lymphocytes in Adjuvant Arthritis," <i>Nature</i> , Vol. 331, Pgs. 171-173, January 14, 1988
BK	Silver, P.A., et al. "Eukaryotic <i>DnaJ</i> Homologs and the Specificity of Hsp70 Activity," <i>Cell</i> , Vol. 74, Pgs. 5-6, July 16, 1993
BL	Zuber et al., "Cloning, Sequencing and Expression of the <i>dnaJ</i> gene of <i>Coxiella Burnetii</i> ," <i>Gene</i> , Vol. 152 Pgs. 99-102, 1995
BM	DeGraeff-Meeder, E.R., et al., "Recognition of Human 60kD Heat Shock Protein by Mononuclear Cells from Patients with Juvenile Chronic Arthritis," <i>The Lancet</i> , Vol. 337, Pgs. 1368-1372, June 8, 1991
BN	Brackertz et al, "OM-8980 in Rheumatoid Arthritis: A 6-Month Double Blind Placebo Controlled Multicenter Study," <i>Journal of Rheumatology</i> , Vol. 16, Pgs. 19-23, 1989
BO	Marsh, S.G.E., et al, "HLA Class II Nucleotide Sequences, 1991," <i>Tissue Antigens</i> , Vol. 37, Pgs. 181-189, 1991
BP	Albani, S., et al., "Immune Responses to the <i>Escherichia Coli</i> <i>dnaJ</i> Heat Shock Protein in Juvenile Rheumatoid Arthritis and their Correlation with Disease Activity," <i>The Journal of Pediatrics</i> , Vol. 124, No. 4, Pgs. 561-565, April 1994
BQ	GenCore Accession # HHECDJ

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